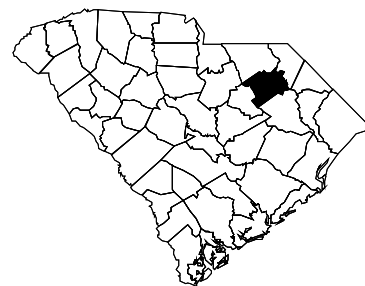


IMPACT OF CHRONIC CONDITIONS DARLINGTON County, 2005



In the year 2005, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, Alzheimer's disease, diabetes, nephritis, nephritic syndrome, nephrosis, pneumonia and influenza and septicemia. This report focuses on the chronic conditions of the population of Darlington county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The distribution of Darlington county's population is similar to the state population. The majority (36%) of the population in Darlington county are between the ages of 18-44, and there are more females (53%) than males (47%). However, Darlington county has a higher minority population (43%) than the state (31%). When adults in DHEC's Region 4 which includes Darlington County, were asked about their general health status, 79.1% reported having excellent, very good, or good health in 2005 (SC was 82%).

	DARLINGTON COUNTY	STATE
Population size	67,346	4,255,083
Age distribution (%)		
<18	25	24
18-44	36	38
45-64	27	25
65-84	11	11
85+	2	2
Race (%)		
White	57	69
Black & Other	43	31
Sex (%)		
Male	47	49
Female	53	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2005 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Darlington County.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	28	22
Sedentary lifestyle	27	26
Overweight	66	65
High Cholesterol	49	37

Some preventive measures such as immunization were included in the 2005 SC BRFSS. For persons age 65 and older in South Carolina:

39.1% have not received the flu shot in the past 12 months

34.4% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

HYPERTENSION AND HYPERTENSIVE DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	31.2	.	.	.	.	31.7
Number of hospitalizations	153	100	53	75	78	5,032
Crude rate of hospitalizations (per 100,000)	227	348	137	236	219	118
Median age of hospitalized patients	57	55	67	52	67	57
Total cost of hospitalization (\$)	2,908,600	1,990,900	917,700	1,680,500	1,228,100	109,400,500
Average length of hospital stay (days)	4	4	3	4	3	5
Number of ED visits	136	89	47	57	79	7,466
Crude rate of ED visits (per 100,000)	202	310	122	180	222	175
Median age of ED patients	47	47	52	47	47	52
Total cost of ED visits (\$)	200,200	134,000	66,200	88,000	112,200	9,929,000
Number of deaths**	6	4	2	4	2	423
Age-Adjusted Death rate (per 100,000)**	9	18	5	19	5	10

DISEASES OF THE HEART	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	4.3	.	.	.	.	4.1
Number of hospitalizations	1,291	443	848	677	614	60,901
Crude rate of hospitalizations (per 100,000)	1,917	1,542	2,196	2,132	1,725	1,431
Median age of hospitalized patients	67	62	67	62	72	67
Total cost of hospitalization (\$)	45,143,400	14,824,100	30,319,300	25,865,700	19,277,700	2,286,836,400
Average length of hospital stay (days)	5	6	5	5	5	5
Number of ED visits	135	53	82	75	60	12,989
Crude rate of ED visits (per 100,000)	200	184	212	236	169	305
Median age of ED patients	57	57	57	57	57	62
Total cost of ED visits (\$)	404,700	127,800	276,900	225,600	179,100	42,115,900
Number of deaths**	187	58	129	98	89	9,328
Age-Adjusted Death rate (per 100,000)**	264	236	282	336	212	218

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	3.5	.	.	.	.	3
Number of hospitalizations	314	121	193	132	182	13,925
Crude rate of hospitalizations (per 100,000)	466	421	500	416	511	327
Median age of hospitalized patients	70	67	72	67	72	72
Total cost of hospitalization (\$)	8,827,800	3,455,600	5,372,200	3,565,800	5,262,000	384,441,600
Average length of hospital stay (days)	6	7	6	5	7	6
Number of ED visits	19	7	12	10	9	2,515
Crude rate of ED visits (per 100,000)	28	24	31	31	25	59
Median age of ED patients	62	67	62	52	72	67
Total cost of ED visits (\$)	78,000	31,300	46,700	42,600	35,400	9,113,000
Number of deaths**	59	23	36	18	41	2,440
Age-Adjusted Death rate (per 100,000)**	89	100	85	72	97	59

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	498	186	312	207	291	15,753
Crude rate of hospitalizations (per 100,000)	739	647	808	652	817	370
Median age of hospitalized patients	57	47	62	52	57	62
Total cost of hospitalization (\$)	8,201,700	2,599,500	5,602,200	3,142,400	5,059,300	268,425,300
Average length of hospital stay (days)	4	4	4	4	4	5
Number of ED visits	828	458	370	359	469	36,543
Crude rate of ED visits (per 100,000)	1,229	1,594	958	1,131	1,317	859
Median age of ED patients	32	25	42	22	37	37
Total cost of ED visits (\$)	1,058,600	502,100	556,500	440,000	618,600	40,613,700
Number of deaths**	37	3	34	19	18	1,968
Age-Adjusted Death rate (per 100,000)**	53	11	75	62	42	46

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	12.2	.	.	.	.	10.3
Number of hospitalizations	241	135	106	109	132	9,027
Crude rate of hospitalizations (per 100,000)	358	470	275	343	371	212
Median age of hospitalized patients	52	52	57	57	52	52
Total cost of hospitalization (\$)	4,423,200	2,410,300	2,012,900	1,793,800	2,629,400	179,747,700
Average length of hospital stay (days)	6	7	5	5	7	6
Number of ED visits	179	111	68	92	87	9,603
Crude rate of ED visits (per 100,000)	266	386	176	290	244	226
Median age of ED patients	52	52	57	52	57	-
Total cost of ED visits (\$)	278,300	166,400	111,900	146,400	131,900	13,447,300
Number of deaths**	18	13	5	6	12	1,183
Age-Adjusted Death rate (per 100,000)**	25	54	12	21	29	27

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	336	125	211	173	163	16,389
Crude rate of hospitalizations (per 100,000)	499	435	546	545	458	385
Median age of hospitalized patients	67	62	67	62	67	62
Total cost of hospitalization (\$)	11,289,800	4,294,300	6,995,500	5,923,900	5,365,900	664,309,500
Average length of hospital stay (days)	7	7	7	7	7	8
Number of deaths**	165	58	107	91	74	8,617
Age-Adjusted Death rate (per 100,000)**	231	239	230	306	176	196

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	43	14	29	23	20	2,070
Crude rate of hospitalizations (per 100,000)	64	49	75	72	56	49
Median age of hospitalized patients	62	65	62	62	70	67
Total cost of hospitalization (\$)	2,247,400	811,300	1,436,100	1,213,300	1,034,100	101,377,700
Average length of hospital stay (days)	10	10	10	10	11	10
Number of deaths**	20	7	13	14	6	812
Age-Adjusted Death rate (per 100,000)**	28	31	28	47	14	19

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	26	12	14	-	26	1,228
Crude rate of hospitalizations (per 100,000)	73	79	69	-	78	56
Median age of hospitalized patients	62	60	65	-	62	62
Total cost of hospitalization (\$)	532,000	295,900	236,100	-	532,000	26,163,000
Average length of hospital stay (days)	3	4	3	-	3	3
Number of deaths**	13	3	10	-	13	651
Age-Adjusted Death rate (per 100,000)**	29	18	34	-	29	26

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	7	4	3	-	7	192
Crude rate of hospitalizations (per 100,000)	20	26	15	-	20	9
Median age of hospitalized patients	47	57	47	-	47	47
Total cost of hospitalization (\$)	124,900	75,600	49,300	-	124,900	4,668,500
Average length of hospital stay (days)	3	4	2	-	3	4
Number of deaths**	2	-	2	-	2	63
Age-Adjusted Death rate (per 100,000)**	5	-	9	-	5	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	59	22	37	38	21	2,181
Crude rate of hospitalizations (per 100,000)	88	77	96	120	59	51
Median age of hospitalized patients	67	67	67	67	67	67
Total cost of hospitalization (\$)	1,766,000	769,500	996,500	1,081,500	684,500	92,775,300
Average length of hospital stay (days)	7	8	6	7	6	9
Number of deaths**	53	17	36	33	20	2,703
Age-Adjusted Death rate (per 100,000)**	73	65	77	112	47	61

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	16	6	10	16	-	1,209
Crude rate of hospitalizations (per 100,000)	50	44	55	81	-	58
Median age of hospitalized patients	70	67	70	70	-	62
Total cost of hospitalization (\$)	396,800	151,700	245,100	396,800	-	30,356,600
Average length of hospital stay (days)	4	5	3	4	-	4
Number of deaths**	10	8	2	10	-	460
Age-Adjusted Death rate (per 100,000)**	43	102	14	43	-	30

*Prevalence at regional level

**Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes.

All hospitalizations of Blacks include Blacks and Others.

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